



11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209
501-455-3233 Fax 501-455-6118

20 March 2013

Jim Fleer
Oxford Environmental & Safety, Inc
14348 Nieman Rd.
Overland Park, KS 66221

RE: Arkwood Monthly Sampling
SDG Number: 1303140

Enclosed are the results of analyses for samples received by the laboratory on 14-Mar-13 10:00. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Preservation Confirmed	✓
Received On Ice	✓
Temperature on Receipt	4.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James".

Norma James
President

20 March 2013



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Overland Park, KS 66221
Project: Arkwood Monthly Sampling

Date Received: 14-Mar-13 10:00

ANALYTICAL RESULTS

Lab Number: 1303140-01
Sample Name: Mouth
Date/Time Collected: 3/13/13 10:50
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	18.6		3/15/13 17:19	A303216	8270D
2,4,6-Tribromophenol [surr]	%	101		3/15/13 17:19	A303216	8270D
2-Fluorophenol [surr]	%	50.8		3/15/13 17:19	A303216	8270D
Phenol-d5 [surr]	%	36.4		3/15/13 17:19	A303216	8270D

ANALYTICAL RESULTS

Lab Number: 1303140-02
Sample Name: Weir
Date/Time Collected: 3/13/13 10:25
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	< 1.00		3/15/13 18:02	A303216	8270D
2,4,6-Tribromophenol [surr]	%	88.6		3/15/13 18:02	A303216	8270D
2-Fluorophenol [surr]	%	52.0		3/15/13 18:02	A303216	8270D
Phenol-d5 [surr]	%	35.9		3/15/13 18:02	A303216	8270D

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QUALITY CONTROL RESULTS

Semivolatiles - Quality Control Analyzed: 15-Mar-13 16:37 By: TB

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A303216 - 3510C Modified

Blank (A303216-BLK1)

Prepared & Analyzed: 15-Mar-13

Pentachlorophenol	ND	5.00	ug/L							
Surrogate: 2,4,6-Tribromophenol	31.5		"	40.0		78.8	26-130			
Surrogate: 2-Fluorophenol	18.9		"	40.0		47.3	10-80			
Surrogate: Phenol-d5	14.6		"	40.0		36.6	10-58			

LCS (A303216-BS1)

Prepared & Analyzed: 15-Mar-13

Pentachlorophenol	28.6	5.00	ug/L	40.0		71.4	69-129			
Surrogate: 2,4,6-Tribromophenol	41.6		"	40.0		104	26-130			
Surrogate: 2-Fluorophenol	24.5		"	40.0		61.3	10-80			
Surrogate: Phenol-d5	19.3		"	40.0		48.2	5-58			

Matrix Spike (A303216-MS1)

Source: 1303161-01

Prepared & Analyzed: 15-Mar-13

Pentachlorophenol	54.2	10.0	ug/L	80.0	0.00	67.7	50-139			
Surrogate: 2,4,6-Tribromophenol	70.0		"	80.0		87.6	26-130			
Surrogate: 2-Fluorophenol	37.4		"	80.0		46.7	10-80			
Surrogate: Phenol-d5	30.0		"	80.0		37.5	10-58			

Matrix Spike Dup (A303216-MSD1)

Source: 1303161-01

Prepared & Analyzed: 15-Mar-13

Pentachlorophenol	47.8	10.0	ug/L	80.0	0.00	59.7	50-139	12.5	27	
Surrogate: 2,4,6-Tribromophenol	64.2		"	80.0		80.3	26-130			
Surrogate: 2-Fluorophenol	34.2		"	80.0		42.7	10-80			
Surrogate: Phenol-d5	27.3		"	80.0		34.1	10-58			

All Analysis performed according to EPA approved methodology when available:

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods, 20th Edition.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by:

Norma James
President



CLIENT INFORMATION			Project Description			Turnaround Time	Preservation Codes:												
Oxford Environmental & Safety, Inc.			Arkwood Monthly Sampling			24 Hour	1. Cool, 4 Degrees Centigrade				4. Thiosulfate for Dechlorination								
14348 Nieman Rd.						48 Hour	2. Sulfuric Acid (H ₂ SO ₄), pH < 2				5. Hydrochloric Acid(HCl)								
Overland Park KS 66221			Reporting Information			72 Hour	3. Nitric Acid (HNO ₃), pH < 2				6. Sodium Hydroxide (NaOH), pH > 12								
			Telephone: 913-706-3422			Routine (5 Day)	TEST PARAMETERS								Bottle Type Code				
Attn: Jim Fleer			Email: jfleer@oxfordeands.com			Preservative Code:	1								G = Glass; P = Plastic				
						Bottle Type:	GA								V = Septum; A = Amber				
Sampler(s) Signature			Sampler(s) Printed													Arkansas Analytical Work Order Number:			
Field Number	SAMPLE COLLECTION Date/s Time/s		Grab	Comp	Number of Bottles	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION		Pentachlorophenol (8270D)										
	3/13/13	10:50	X		1	Water	Mouth		X										1303140-01
	3/13/13	10:25	X		1	Water	Weir		X										02
1. Relinquished by: (Signature) 			Date/Time 3/13/13 13:00		2. Received by: (Signature) 			SAMPLE CONDITION UPON RECEIPT IN LAB				REMARKS / SAMPLE COMMENTS							
3. Relinquished by: (Signature) 			Date/Time 3/14/13, 1000		4. Received by lab: (Signature) 			1. CUSTODY SEALS: <input checked="" type="checkbox"/> Yes ___ No 2. CONTAINERS CORRECT: <input checked="" type="checkbox"/> Yes ___ No 3. COC/LABELS AGREE: <input checked="" type="checkbox"/> Yes ___ No 4. PRESERVATION CONFIRMED: <input checked="" type="checkbox"/> Yes ___ No 5. RECEIVED ON ICE: <input checked="" type="checkbox"/> Yes ___ No 6. TEMPERATURE ON RECEIPT: 4°C				MS/MSD Collected from: Mouth Flow Rate: 23.0l O ₂ Power: 1570 O ₂ Conc: 17.0 Weir Mouth Residual O ₂ : 0.00* Temp 14.02 14.22 Not functioning DO 190.7 47.5 pH 7.63 7.30							
										FOR COMPLETION BY LAB ONLY									